## **EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S4	136	156/407.ccls or 156/457.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 22:37
S5	1	us-3130104-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 22:49
S6	1118	156/173.ccls. or 156/175.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/23 18:27
S7	1478	156/173.ccls. or 156/175.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/22 22:50
S8	36	S7 and (eccentric\$4 or (off adj center) or off-center)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/23 18:50
S9	194	creel same wind\$4 same mandrel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/23 18:23
S10	8	S9 and (eccentric or (off adj center))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/23 18:24
S11	19	(156/173.ccls. or 156/175.ccls.) and (offset near4 (center or axis))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/23 18:28

## **EAST Search History**

				<del></del>		
S12	20	("2788836"   "2901190"   "3112234"   "3201298"   "3308001"   "3363849"   "3397847"   "3552665"   "3765979"   "3963185"   "4089727").PN. OR ("4323408"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/09/23 18:38
S13	75	156/148.ccls. and (eccentric\$4 or (off adj center) or off-center or offset)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 23:19
S14	191	mandrel with creel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/23 19:31
S15	4	S14 with (eccentric or (off adj center) or off-center or offset)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/23 21:49
S16	313	242/439.4-439.6.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/23 19:52
S17	10	("2093206"   "3032461"   "3736210"   "4578024").PN. OR ("6494980").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/01 22:16
S18	1	("3178878").URPN.	USPAT	OR	ON	2006/09/23 20:47
S19	2	us-3137985-\$.did. or us-0417219-\$. did.	USPAT	OR	ON	2006/09/23 20:49
S20	2	"3,178,878"	USPAT	OR	ON	2006/09/23 21:05
S21	29	242/437.2.ccls.	USPAT	OR	ON	2006/09/23 21:37
S22	39	242/437.1.ccls.	USPAT	OR	ON	2006/09/23 21:48
S23	766	242/439-442.ccls.	USPAT	OR	ON	2006/09/23 22:03
S24	76	S23 and (eccentric or (off adj center) or off-center or offset)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/23 22:02

## **EAST Search History**

S25	530	156/430-432.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 23:18
S26	59	S25 and (eccentric\$4 or (off adj center) or off-center or offset)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/27 23:19